

## TRANSMITTAL FORM

Attorney Docket No.

STL920000066US11804P

In re the application Charles D. WOLFSON

Confirmation No: 9367

Serial No: 09/731,088

Group Art Unit: 2165

Filed: December 5, 2000

Examiner: Rimell, Samuel G.

For: Integration of Messaging Functions and Database Operations

## ENCLOSURES (check all that apply)

<input type="checkbox"/>	Amendment/Reply	<input type="checkbox"/>	Assignment and Recordation Cover Sheet	<input type="checkbox"/>	After Allowance Communication to Group
<input type="checkbox"/>	After Final	<input type="checkbox"/>	Part B-Issue Fee Transmittal	<input type="checkbox"/>	Notice of Appeal
<input type="checkbox"/>	Information disclosure statement	<input type="checkbox"/>	Letter to Draftsman	<input checked="" type="checkbox"/>	Reply Brief (in triplicate)
<input type="checkbox"/>	Form 1449	<input type="checkbox"/>	Drawings	<input type="checkbox"/>	Status Letter
<input type="checkbox"/>	(X) Copies of References	<input type="checkbox"/>	Petition	<input checked="" type="checkbox"/>	Postcard
<input type="checkbox"/>	Extension of Time Request *	<input type="checkbox"/>	Fee Address Indication Form	<input type="checkbox"/>	Other Enclosure(s) (please identify below):
<input type="checkbox"/>	Express Abandonment	<input type="checkbox"/>	Terminal Disclaimer		
<input type="checkbox"/>	Certified Copy of Priority Doc	<input type="checkbox"/>	Power of Attorney and Revocation of Prior Powers		
<input type="checkbox"/>	Response to Incomplete Appln	<input type="checkbox"/>	Change of Correspondence Address		
<input type="checkbox"/>	Response to Missing Parts	*Extension of Term: Pursuant to 37 CFR 1.136, Applicant petitions the Commissioner to extend the time for response for xxxxx month(s), from to .			
<input type="checkbox"/>	Executed Declaration by Inventor(s)				

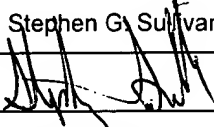
## CLAIMS

FOR	Claims Remaining After Amendment	Highest # of Claims Previously Paid For	Extra Claims	RATE	FEE
Total Claims	0	0	0	\$ 50.00	\$ 0.00
Independent Claims	0	0	0	\$200.00	\$ 0.00
Total Fees					\$ 0.00

## METHOD OF PAYMENT

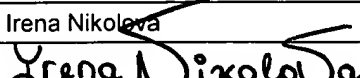
<input type="checkbox"/>	Check no. _____ in the amount of \$ _____ is enclosed for payment of fees.
<input type="checkbox"/>	Charge \$ _____ to Deposit Account No. _____ (Account Holder Name) for payment of fees.
<input checked="" type="checkbox"/>	Charge any fees or credit any overpayment to Deposit Account No. <u>09-0460</u> (IBM Corporation)

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Attorney Name	Stephen G. Sullivan, Reg. No. 38,329
Signature	
Date	December 29, 2004

## CERTIFICATE OF MAILING

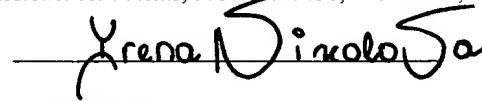
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Appeal Brief-Patents, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 29, 2004

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Signature	

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Irena Nikolova

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Date: December 29, 2004

Charles D. WOLFSON

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Examiner: Rimell, S.

For: INTEGRATION OF MESSAGING FUNCTIONS AND DATABASE OPERATIONS

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REPLY BRIEF

Sir:

In response to the Examiner's Answer dated 10/29/04, Appellant presents the following reply.

The Examiner's response to Appellant's arguments maintains that the cited art of the Chandra et al reference ("Chandra") teaches a messaging system (324 in FIG. 3) and distinct database system (FIG. 3) which gains access to the messaging system. Appellant respectfully disagrees.

As described by Chandra with reference to FIG. 3 in col. 6, lines 14-28:

**A database application 300 comprises first and second client application programs 301, 302 coupled to a relational database system 304. The relational database system 304 comprises a database server 310 stored in a volatile memory 306 of a**

**processor, such as main memory 104 of computer system 100. The database server 310 communicates with data files 322, 324 either directly or through a database cache 312 interposed between a data file (such as file 324) and the database server 310. The data files are stored in a nonvolatile memory 308, such as data storage device 107 of the computer system 100; each of the data files comprises a plurality of data blocks. For example, the data file 322 comprises data blocks 322a, 322b, which contain data of interest to the application programs 301, 302.**

Chandra clearly demonstrates that the element 324 cited by the Examiner is a data file in a relational database system that comprises a plurality of data blocks, which can store queue tables comprising queues and messages of queues (col. 6, lines 45-47). Appellant respectfully submits that there is nothing to teach or suggest that the storage of data blocks including queue tables of queues and messages of queues in data file 324 of the relational database system 304 is a messaging system itself, as argued by the Examiner.

Further, Appellant respectfully submits that a data file has the function of storing data, as taught in the section of Chandra quoted hereinabove ("**The data files are stored in a nonvolatile memory 308**") and does not provide functions at all. Thus, Appellant respectfully submits that there is nothing to teach or suggest the recited provision of one or more chosen functions from a messaging system in a database system by the teaching of a data file storing queues in cited element 324.

Without teaching or suggesting the provision of one or more chosen functions from a messaging system in a database system, there can be nothing to teach or suggest the recited utilization of the one or more chosen functions, including utilization within structured query language statements to access the messaging system from the database system. The Examiner asserts that the functions of ENQUEUE and DEQUEUE of Chandra are the functionalities that correspond to the recited one or more chosen functions, and are considered to be "from the messaging system" by reason that they are functions used in the messaging system. Appellant

respectfully disagrees and submits that these are not functions used in the messaging system.

Rather, they are functions of the database system that are used in the database system to access the queue tables of the data files of the database system. See Table 3 (columns 23-24), which "is an example of SQL statements that may be used to command an embodiment of the invention to enqueue and then dequeue a single message," and which shows ENQUEUE and DEQUEUE as distinct commands in the SQL language as implemented in a database system. That these commands result in action on a queue table that contains messages in the database system does not provide any teaching or suggestion that they should or could be considered to be "from the messaging system", as asserted by the Examiner, since they are commands of the database system itself to manage the data file that contains a message queue.

In addition, the Examiner states "examiner believes that the intended meaning of the claim language 'from a messaging system', based on applicant's specification is exactly met by the functionalities of ENQUEUE and DEQUEUE taught by Chandra et al. In appellant's specification, the chosen functionalities are functions used in a messaging system. These are exactly the functionality implied by the terms ENQUEUE and DEQUEUE" (page 5). Appellant respectfully disagrees with the Examiner and points out that Appellant's specification is clear in the description of FIG. 1 that messaging software/a message queue manager (e.g., MQSeries) is running on a computer system for managing a message queue. As further disclosed by Appellant's specification, during messaging operations, whenever a new message destined for computer system 1c is received over network 2 from one of the other computer systems (e.g., 1a or 1b) the message is stored in the message queue 11. The data associated with the message is stored in long term storage 14. When the processor 13 requests that a particular message be dequeued, that message's associated data is retrieved from storage 14 and provided to processor

13. This occurs without any teaching or suggestion of a need to utilize commands of the database system. Rather, as further described in the specification, the integration of messaging software functionality into database programming with the present invention is achieved through a straightforward approach that utilizes the mechanisms provided by SQL to allow a database query to be formed that incorporates messaging operations within a SQL statement. In this manner, the SQL statement appears in itself as an application to the messaging software.

Thus, while the Examiner has interpreted the intended meaning of claim 1 based on the specification, Appellant respectfully submits that this interpretation has failed to fully consider the actual disclosure of the specification, which demonstrates that there is a messaging system (e.g., MQSeries) with its own functionality and a database system with its own functionality, and through the integration of functions of the messaging system in the database system, access to the messaging system from the database system can occur, such that the SQL statement of the database system appears in itself as an application to the messaging software. Appellant respectfully submits that claims are clearly recited in the present invention and require no further interpretation of intended meaning. Thus, Appellant respectfully reiterates that the use of SQL commands to access a data file in a database system as disclosed by Chandra offers no teaching or suggestion of the recited invention, which includes providing one or more chosen functions from a messaging system in a database program and utilizing the one or more chosen functions from the database program within structured query language statements to access the messaging system from the database program.

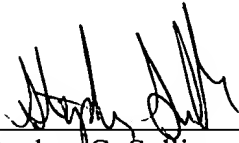
For the foregoing reasons, along with those reasons presented in the Appeal Brief, Appellant further respectfully reiterates the request that the Board reverse the rejection of all the appealed claims and find each of these claims allowable.

This Reply Brief is being submitted in triplicate, and the Commissioner is authorized to charge any fees associated with this communication to Deposit Account No. 09-0460 (IBM Corporation).

Respectfully submitted,

SAWYER LAW GROUP LLP

December 29, 2004  
Date

  
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Stephen G. Sullivan  
Attorney for Applicant(s)  
Reg. No. 38,329  
(650) 493-4540